

EXHIBIT 4

Alignment of A30405 (query) with SEQ ID NO 41 (reference RhD sequence)

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Query: 1  MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASVQVGQDLTVMAAL 60
          MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASVQVGQDLTVMAA+
Sbjct: 1  MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASVQVGQDLTVMAAI 60

Query: 61  GLGFLTSTNFRHSSWSSVAFNLFMLALGVQWAILLDGFLSQFPFGKVVITLFSIRLATMSA 120
          GLGFLTSTNFRHSSWSSVAFNLFMLALGVQWAILLDGFLSQFP GKVVITLFSIRLATMSA
Sbjct: 61  GLGFLTSTNFRHSSWSSVAFNLFMLALGVQWAILLDGFLSQFPGKVVITLFSIRLATMSA 120

Query: 121 MSVLISAGAVLGKVNLAQLVVMVLVEVTALGTLRMVISNIFNTDYHMNLRHFYVFAAYFG 180
          +SVLIS  AVLGKVNLAQLVVMVLVEVTALG LRMVISNIFNTDYHMN+ H YVFAAYFG
Sbjct: 121 LSVLISVDAVLGKVNLAQLVVMVLVEVTALGNLRMVISNIFNTDYHMNMHIIYVFAAYFG 180

Query: 181 LTVAWCLPKPLPKGTEGDNDQRATIPSLSAMLGALFLWMFWPSVNSPLLRSPIQRKNAMFN 240
          L+VAWCLPKPLP+GTED DQ ATIPSLSAMLGALFLWMFWPS NS LLRSPI+RKNA+FN
Sbjct: 181 LSVAWCLPKPLPEGTEGDQDQATATIPSLSAMLGALFLWMFWPSFNSALLRSPIERKNAFVN 240

Query: 241 TYYALAVSVVTAISGSSLAHPQKISMTYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV 300
          TYYA+AVSVVTAISGSSLAHPQ KIS TYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV
Sbjct: 241 TYYAVAVSVVTAISGSSLAHPQKISKTYVHSAVLAGGVAVGTSCHLIPSPWLAMVLGLV 300

Query: 301 AGLISIGGAKCLPVCCNRVLGIHHISVMHSIFSLLGGLGEITYIVLLVLHTVWNGNGMIG 360
          AGLIS+GGAK LP CCNRVLGI H S+M FSLGGLGEI YIVLLVL TV GNGMIG
Sbjct: 301 AGLISVGGAKYLPGCCNRVLGIPHSSIMGYNFSLGGLGEIYIVLLVLDTVGAGNGMIG 360

Query: 361 FQVLLSIGELSLAIVIAXXXXXXXXXXXXXKIWKAPHVAKYFDDQVFWKFPFLAVGF 417
          FQVLLSIGELSLAIVIA KIWKAPH AKYFDDQVFWKFPFLAVGF
Sbjct: 361 FQVLLSIGELSLAIVIALTSGLLTGLLLNLKIWKAPHEAKYFDDQVFWKFPFLAVGF 417
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